Send to Printer Close Window

(WO/1998/055596) USE OF GENES ENCODING XYLAN SYNTHASE TO MODIFY PLANT CELL WALL COMPOSITION

Latest published bibliographic data

Publication No.: WO/1998/055596
Publication Date: 10.12.1998
International Application No. PCT/US1998/011531
International Filing Date: 01.06.1998

Int. Class.[8]: *C12N 9/10, C12N 15/82.*

Applicants: **SOMERVILLE, Chris** [US/US]; 5 Valley Oak, Portola Valley, CA 94028 (US).
CUTLER, Sean [US/US]; 1643 Woodland Avenue #1, East Palo Alto, CA 94303 (US).

Inventors: **SOMERVILLE, Chris** [US/US]; 5 Valley Oak, Portola Valley, CA 94028 (US).
CUTLER, Sean [US/US]; 1643 Woodland Avenue #1, East Palo Alto, CA 94303 (US).

Agent: **KOKULIS, Paul, N.** ; Cushman Darby & Cushman, Intellectual Property Group of Pillsbury Madison & Sutro, LLP, 1100 New York Avenue, N.W., Washington, DC 20005 (US).

Priority Data: 60/054,334 03.06.1997 US

Title: (EN) USE OF GENES ENCODING XYLAN SYNTHASE TO MODIFY PLANT CELL WALL COMPOSITION
(FR) UTILISATION DES GENES CODANT LA XYLANE-SYNTHASE POUR LA MODIFICATION DE LA COMPOSITION DE LA PAROI CELLULAIRE DES VEGETAUX

Abstract: (EN) This invention relates to plant xylan synthases. The isolation of genes, or fragments thereof, for xylan synthases from $i(Arabidopsis thaliana) is described. Also described is the use of cDNA clones encoding plant xylan synthases to alter the amount of xylan in transgenic plants. Also described is the use of sequence information derived from the xylan synthase gene to identify genes for other plant xylan synthases.

(FR) La présente invention se rapporte à des xylane-synthases végétales, à l'isolation des gènes, ou des fragments de gènes, pour des xylane-synthases tirées de $i(Arabidopsis thaliana). Cette invention concerne également l'utilisation des clones d'ADNc codant les xylane-synthases végétales pour modifier la quantité de xylane dans les plantes transgéniques, ainsi que l'utilisation des informations de séquence obtenues à partir du gène de xylane-synthase pour identifier les gènes pour d'autres xylane-synthases végétales.

Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW.
African Regional Intellectual Property Org. (ARIPO) (GH, GM, KE, LS, MW, SD, SZ, UG, ZW)
Eurasian Patent Organization (EAPO) (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)
European Patent Office (EPO) (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE)
African Intellectual Property Organization (OAPI) (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG)

Publication Language: English (EN)

Filing Language: English (EN)